

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|---|---|------------------|---------|------------------|
| L1 | 0 | (optical adj1 system) same (photon adj1 source) same (optical adj1 network) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/20 19:48 |
| L2 | 2 | (optical adj1 system) and (photon adj1 source) and (optical adj1 network) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/20 19:48 |
| L3 | 233117 | (optical adj1 system) (controlled adj1 "not" adj1 gate) (CNOT adj1 gate) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/20 19:49 |
| L4 | 28 | 3 and (photon adj1 pair) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/20 19:50 |
| L5 | 24 | 4 and entangled | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/20 20:34 |
| L6 | 3 | (quantum adj1 game) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/20 19:52 |
| L7 | 0 | (public adj1 good adj1 game) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/20 19:53 |
| L8 | 2 | pair-wise adj1 entangle\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/20 19:56 |
| L9 | 2 | ((pair-wise) (round adj1 robin)) adj1 entangle\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/20 19:55 |
| L10 | 9 | ("5086483" "5768297" "5838436" "5917322").PN. OR ("6081882").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/20 20:29 |

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| L11 | 138601 | ((optical adj1 system) (photon adj1 source)) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/20 20:31 |
| L12 | 1438 | 11 and (optical adj1 network) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/20 20:31 |
| L13 | 4 | 12 and (photon adj1 pair) | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/20 20:31 |
| L14 | 7 | ("20020081825" "4961196" "5386429" "5442649" "5607876" "6177684").PN. OR ("6864501"). URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2007/01/20 20:35 |
| L15 | 1 | ("2005/0094142").URPN. | USPAT | OR | OFF | 2007/01/20 20:35 |

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| L1 | 1822 | (superconducting adj1 quantum adj1 interference adj1 devices) SQUIDS | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/20 21:23 |
| L2 | 8990 | (superconducting adj1 quantum adj1 interference adj1 devices) SQUIDS (NMR adj1 systems) (individual adj1 atoms) (individual adj1 molecules) (individual adj1 ions) (cavity adj1 (quantum electro-dynamic) QED adj1 system) (photonic adj1 systems) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/20 21:27 |
| L3 | 1 | 2 and (quantum adj1 game) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/20 21:27 |
| L4 | 89 | 2 and (quantum adj1 information) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/20 21:38 |
| L5 | 362 | station and (polarizing adj1 beam adj1 splitter) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/20 21:38 |
| L6 | 14 | station same (polarizing adj1 beam adj1 splitter) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/01/20 21:39 |



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Continuous Frequency Entanglement: Effective Finite Hilbert Space and Entropy Control - group of 4 »

CK Law, IA Walmsley, JH Eberly - Physical Review Letters, 2000 - APS

... and effectively finite basis for characterizing **pairwise entanglement**. ... entropy control in two-photon pulses generated ... applications in **communication** have been ...

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Pairwise entanglement and readout of atomic-ensemble and optical wave-packet modes in traveling-wave ... - group of 5 »

W Wasilewski, MG Raymer - Physical Review A, 2006 - APS

... is necessary for quantum **communication** and computation ... 8. Photon count probability distribution $p(\Delta n)$... **PAIRWISE ENTANGLEMENT AND READOUT OF 1/4 PHYSICAL REVIEW** ...

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Demonstrating multipartite entanglement of single-particle W states: linear optical schemes - group of 2 »

H Nha, J Kim - Arxiv preprint quant-ph/0608055, 2006 - arxiv.org

... to demonstrate inseparability of W-type N-partite entangled states containing only a single photon. First, we show that the **pairwise entanglement** of arbitrary ...

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Entanglement creation using quantum interrogation - group of 14 »

A Gilchrist, AG White, WJ Munro - Physical Review A, 2002 - APS

... under local operations and classical **communication** ~LOCC ... initially in superpositions, the **photon** probes each ... The uW& state has only **pairwise entanglement**, so we ...

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... approach for studying local operations and classical communication transformations of multipartite ... - group of 5 »

SK Singh, SP Pal, S Kumar, R Srikanth - Journal of Mathematical Physics, 2005 - link.aip.org

... with only EPR pairs permitted for **pairwise entanglement** between agents ... SamalM.K., (private **communication**). ... Entangling independent pulsed **photon** sources," Ann. ...

[Web Search](#) - BL Direct

Realization of symmetric sharing of entanglement in semiconductor microcrystallites coupled by a ... - group of 7 »

Y Liu, A Miranowicz, M Koashi, N Imoto - Physical Review A, 2002 - APS

... is essential for most quantum **communication** schemes ... only the symmetric sharing of the

pairwise entanglement but also ... the exciton-exciton and exciton-photon can be ...

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Quantum entanglement as a quantifiable resource - group of 6 »

WK Wootters - Philosophical Transactions: Mathematical, Physical and ..., 1998 -

journals.royalsoc.ac.uk

... and I review two potential applications of entanglement in the field of **communication**:
dense coding ... 1972)), and by the splitting of a single **photon** into two ...

Cited by 25 - Related Articles - Web Search - BL Direct

[book] Decoherence, Entanglement And Information Protection in Complex Quantum Systems: Proceedings of the ...

SEDT Pellegrin - 2005 - books.google.com

... the nuclear collision time is of the order of the **photon** time-of ... entanglement in QUACS which may render invalid concept of pairwise entanglement of the probe ...

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Quantum Entanglement as a Quantifiable Resource [and Discussion]

WK Wootters, WS Leng - Philosophical Transactions: Mathematical, Physical and ..., 1998 - JSTOR

... into the language of **photon** polarization, one ... only local operations and classical communication (Bennett et ... exist only at the expense of pairwise entanglement. ...

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Continuous Quantum Measurement with Multiple Observers

J Dziarmaga, DAR Dalvit, WH Zurek - Arxiv preprint quant-ph/0107033, 2001 - arxiv.org

... The **photon** emitted inside a cavity can reflect ... open the possibility of faster than light **communication**. ... V,VI fall in the category of the pairwise entanglement. ...

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X Wang

T Roscilde

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N Lambert

A Fubini

[Pairwise entanglement in symmetric multi-qubit systems - group of 14 »](#)

X Wang, K Mølmer - The European Physical Journal D-Atomic, Molecular and ... , 2002 - Springer

... **Pairwise entanglement** in symmetric multi-qubit systems X. Wang and K. Mølmer a ... X. Wang and K. Mølmer: **Pairwise entanglement** in symmetric multi-qubit systems ...

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[Studying Quantum Spin Systems through Entanglement Estimators - group of 7 »](#)

T Roscilde, P Verrucchi, A Fubini, S Haas, V ... - Physical Review Letters, 2004 - APS

... The concurrence [18] quantifies instead the **pairwise entanglement** between two spins at sites i, j both at zero and finite temperature. ...

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[Dynamics of Entanglement in Quantum Computers with Imperfections - group of 7 »](#)

S Montangero, G Benenti, R Fazio - Physical Review Letters, 2003 - APS

... The dynamics of the **pairwise entanglement** in a qubit lattice in the presence of static imperfections exhibits different regimes. ...

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[Spin squeezing and pairwise entanglement for symmetric multiqubit states - group of 9 »](#)

X Wang, BC Sanders - Physical Review A, 2003 - APS

Spin squeezing and **pairwise entanglement** for symmetric multiqubit states. ... and ~29!, we obtain the proposition. j SPIN SQUEEZING AND PAIRWISE ENTANGLEMENT

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[Continuous Frequency Entanglement: Effective Finite Hilbert Space and Entropy Control - group of 4 »](#)

CK Law, IA Walmsley, JH Eberly - Physical Review Letters, 2000 - APS

... We derive a set of two-photon mode functions that provide an exact, discrete, and effectively finite basis for characterizing **pairwise entanglement**. ...

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[Thermal and ground-state entanglement in Heisenberg XX qubit rings - group of 7 »](#)

X Wang - Physical Review A, 2002 - APS

... A general result is found that for even-number rings, **pairwise entanglement** between nearest-neighbor qubits is independent of both the sign of exchange ...

[Cited by 22](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[Enhanced thermal entanglement in an anisotropic Heisenberg XYZ chain - group of 5 »](#)

L Zhou, HS Song, YQ Guo, C Li - Physical Review A, 2003 - APS

... improves the critical temperature T_c , but also enhances the entanglement for a particular fixed B. We also analyze the **pairwise entanglement** between nearest ...

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[Entanglement sharing among quantum particles with more than two orthogonal states - group of 4 »](#)

KA Dennison, WK Wootters - Physical Review A, 2001 - APS

... It makes sense, then, to ask how large one can make the minimum **pairwise entanglement**,

the minimum being taken over all pairs @4#. In this paper we address this ...

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[Quantum entanglement and Bell inequalities in Heisenberg spin chains - group of 10 »](#)

X Wang, P Zanardi - Arxiv preprint quant-ph/0202108, 2002 - arxiv.org

... 1 corresponds to a maximally entangled state. The Heisenberg model and **pairwise entanglement**. We consider a physical model of a ...

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[Entanglement and the Phase Transition in Single-Mode Superradiance - group of 8 »](#)

N Lambert, C Emary, T Brandes - Physical Review Letters, 2004 - APS

... We present here exact solutions for the entanglement between these two subsystems, and for the **pairwise entanglement** between atoms at and away from the ...

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